

Report for 2002CO8B: Technology Transfer/Information Dissemination

- Conference Proceedings:
 - Brown, Jennifer, Ed., 2002, Who's Running This Ecosystem?, Proceedings of the 13th Annual South Platte Forum, Oct. 23-24, 2002, Information Series No. 194, Colorado Water Resources Research Institute, Colorado State University, Fort Collins, Colorado, 40 pp.
- unclassified:
 - Keammerer, Warren R. and Edward F. Redente, Eds., 2002, Proceedings of the High Altitude Revegetation Workshop No. 15, March 6-8, 2002, Information Series No. 195, Colorado Water Resources Research Institute, Colorado State University, Fort Collins, Colorado, 239 pp.

Report Follows:

INFORMATION TRANSFER ACTIVITIES

CWRRI provides Colorado water users with the latest water information and research results through its information and technology transfer program including the CWRRI newsletter, COLORADO WATER, the CWRRI websites, water conferences, seminars, and its publications series.

W E B S I T E S

The CWRRI Homepage at <http://cwrri.colostate.edu>



About CWRRI

History and Mission

Contact Us

Research Projects and Publications

Brassy Minnow Project Results
Water Research Projects
Water in the Balance Report Series

Newsletter

Index of Newsletters

Water Research Expertise

Academic Faculty
Federal Agency Contacts

Additional Resources

[Kids Zone](#)
[Jobs in Water](#)
[Colorado Water Concerns](#)

Current Events

- [Drought Conference Summary](#)
- [Drought-Related Publications and Links](#)
- [Water Resources Seminar\(GS592\)](#)
- [Bureau of Reclamation 100th anniversary](#)
- [Anniversary of the First Water Right](#)
- [Cooperative Extension Water Specialists Water Courses at Colorado Universities](#)

W
Ou



Creating and Transmitting New Water Knowledge



The Water Center web site at: <http://watercenter.colostate.edu>



The Water Center brings together a rich history in water related education and research with diverse talent from 25 different departments at Colorado State University students can find the following information at the web site:

Computer Modeling – MODSIM-DSS Professional Development Jobs in Water Resources Meetings/Seminars	Study Water at CSU – Undergraduate Undergraduate Water Minor Research Experiences for Undergraduates in Water
Educational Opportunities Water Related Courses at Colorado Universities Fellowships Short Courses Scholarships	Study Water at CSU – Graduate Water Information for New CSU Graduate Students Graduate School at Colorado State University List of Departments

The Colorado Water Knowledge web site <http://waterknowledge.colostate.edu>

• Colorado Water -

A huge list of water facts!

A description of stream processes and an overview of

Colorado's geology, water history, and climate. Links to water related definitions are also provided.

A description of Colorado's major river basins and aquifers, how the water from these sources is used and managed, and methods for conserving Colorado's water.

A description of the fish and aquatic insects present in Colorado's waters, wetlands, water quality, and links to environmental laws.

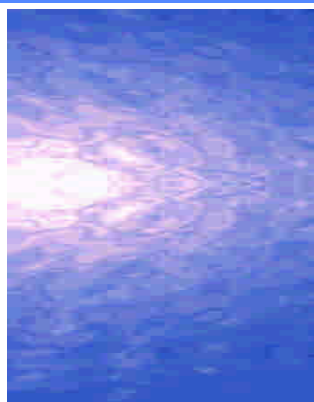
A description of transmountain diversions, interstate compacts, Colorado water rights law, and federal, state, and local administrative agencies.

A list of frequently asked questions and answers about Colorado water.



The Hydrology Days web site at: <http://HydrologyDays.colostate.edu>

Hydrology Days 2002



22nd Annual
American Geophysical Union
HYDROLOGY DAYS
April 1-4, 2002

Cherokee Park Room
Lory Student Center
Colorado State University
Fort Collins, Colorado, USA

Sponsored by
Hydrology Section of the
American Geophysical Union

The Research Experiences for Undergraduates Program at:
<http://waterreu.colostate.edu/>



With funding provided by The National Science Foundation, the Water Center at Colorado State University provided a unique opportunity for undergraduate students from four-year colleges and universities to conduct independent research in Water Science and Engineering during 8 weeks in the summer, under the guidance of faculty in the departments of Civil Engineering, Earth Resources, Soil and Crop Science, Chemical Engineering, Fishery and Wildlife Biology and Rangeland Ecosystem Science. Students work in teams including faculty, graduate students, and staff to conduct research and gain hands-on experience in laboratory and field research methods.

A new addition in 2002 was the website for the Colorado Water Quality Monitoring Council, located at <http://cwqmc.colostate.edu/>.



PUBLICATIONS

CWRRI publishes and distributes water research information via the following publications:

- **WATER IN THE BALANCE**, a user-friendly new publication series that provides a condensed version of research completion reports that gives water users a 16-24 page review and analysis of the results of research conducted under the auspices of the State Water Institute Program.

Water in the Balance No. 9, "A History of Drought in Colorado: Lessons Learned and What Lies Ahead," was published and printed in February, 2000 in collaboration with Colorado State's Department of Atmospheric Science. With the drought of 2002 a critical factor in Colorado, demand for this publication increased dramatically and resulted in approximately 4000 copies being reprinted and distributed.

- **COMPLETION REPORTS**—These reports contain information about completed research and include details of procedure, analysis of data and conclusions reached.
- **TECHNICAL REPORTS**—CWRRI provides technical information of interest to water resource professionals through this series.
- **INFORMATION SERIES**—This series of reports provides information of general public interest on water-related subjects including conferences and symposia.
- **OPEN-FILE REPORTS**—CWRRI provides complete reports of research at cost upon request. These reports consist primarily of theses and dissertations from CWRRI-funded research projects.

CWRRI is in the process of making all its publications available on the World Wide Web.



MEETINGS AND CONFERENCES

21st Annual Hydrology Days Colorado State University -- April 1-4, 2002

The 21st Annual Hydrology Days was held April 1-4, 2002 on the Colorado State University campus. The meeting was dedicated to Professor Ignacio Rodriguez-Iturbi, who obtained a Ph.D in Hydrology in the Civil Engineering Department at Colorado State University. Professor Rodriguez-Iturbe was named the 2002 Stockholm Water Prize Laureate for his significant scientific contributions to the understanding of the interaction among climate, soil and vegetation structures, surface water, floods and droughts. He is the first South American to receive the prize. Professor Rodriguez-Iturbi is a citizen of both Venezuela and the United States.

Hydrology Days provides the opportunity for students to present papers in a friendly, yet professional, atmosphere and also to meet leading hydrologists and hydrology-related professionals. The four-day program includes contributed papers, student papers and a poster session. More than 200 persons, representing 13 countries, attended the meeting, which CWRRI cosponsors.

Arkansas River Basin Water Forum Peaks to Prairies: Sharing a Watershed Leadville, Colorado – June 6-8, 2002

CWRRI cosponsors this annual meeting that gathers together water interests in Colorado's Arkansas River valley. The 2002 annual meeting focused on areas of successful cooperation, collaboration and unusual solutions among the river basin's stakeholders. Following the close of the forum, attendees participated in the grand opening of the Hayden Meadow Recreation Site, an outstanding example of multi-party collaboration.

27th Annual Colorado Water Workshop Reclamation at the Century Mark: The Legacy and the Challenge Western State College, Gunnison, Colorado July 31-August 2, 2002

More than 200 people gathered on the campus of Western State College in Gunnison, Colorado to review the achievements, problems, and remaining challenges facing the U.S. Bureau of Reclamation as it celebrated its centennial observation. The 27th Annual Colorado Water Workshop attendees included state legislators; county commissioners from both the West Slope and Front Range; and representatives of local, regional, state and federal agencies and the private-sector. University students attending the meeting had an excellent opportunity to meet key water leaders and learn first hand about the latest issues facing Colorado water managers and the history of water development in the West. CWRRI cosponsors the workshop.

Who's Running this Ecosystem? 13th Annual South Platte Forum – Longmont, Colorado October 23-24, 2002

Protecting the future of the South Platte River Basin – integrating habitat protection with agricultural production, understanding Colorado climate changes, keeping watch on water quality in Colorado, and redefining beneficial use – these were the issues presented and examined in moderated sessions at the 13th Annual South Platte Forum October 23-24, 2002. Highlighting the forum was the special recognition of Chuck GrandPre, the founding chair of the South Platte Forum Planning Committee. Chuck recently

retired from the U.S. Fish and Wildlife Service. CWRRI cosponsors the annual forum with the Colorado Division of Wildlife, CSU Cooperative Extension, Denver Water, the Northern Colorado Water Conservancy District, the U.S. Bureau of Reclamation, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service and the U.S. Geological Survey.

Colorado Drought Conference
Colorado State University – Fort Collins, Colorado
December 4, 2002

Over 250 scientists, public officials, water managers, and media representatives gathered on the campus of Colorado State University on December 4th to share lessons learned in managing the driest year on record (2002) and examine options for addressing the uncertainty of water availability in 2003. The Colorado Drought Conference was organized under the auspices of the new CSU DroughtLab, a joint initiative of the CWRRI/CSU Water Center and the Colorado Climate Center to proactively engage higher-education expertise in addressing the knowledge needs associated with not only the current drought, but future drought preparation. The conference was cosponsored by the Colorado Water Conservation Board, the Colorado Water Congress, the Division of Water Resources (State Engineer's Office), and the Colorado District of the U.S. Geological Survey.

The conference examined data from 2002, beginning with the available water supply and the context of the current drought within the historic record. While a three-year drought is not unusual for the semi-arid Colorado climate, the extremely low flow of 2002 is a rare event. While the low flows of 2002 created stresses on Colorado's water management system, the system appeared, in general, to work well. Water managers were able to make the adjustments needed to minimize the impacts. However, several sectors of Colorado's economy, it was noted, such as agriculture and recreation and tourism, experienced major losses.

Lower South Platte Water Symposium
Northeastern Junior College - Sterling, Colorado
February 13, 2003

Topics and speakers included in this symposium, which is held every other year, were: Water Law and Issues That Impact The River, Hal Simpson, State Engineer; How The System Works: Where The Water Comes From and Where It Goes, Luis Garcia, Colorado State University; Climatology of the South Platte Basin, Nolan Doesken, Colorado State University; Water Year 2002 In-Review, Jim Hall, Office of the State Engineer, Legal/Practical Issues with Managed Groundwater Recharge, Steve Sims, Assistant Attorney General; History of Water Development In The South Platte, Justice Gregory Hobbs.

STUDENT INTERN PROGRAM

The Institute continued its Student Intern Program in FY2002, a program designed to increase student interest in water issues. Student interns worked on the following projects.

Children's Water Festivals--Children's Water Festivals are fun for both students and presenters. These festivals are an excellent way to educate Colorado's children about one of our most precious resources, WATER. CWRRI interns taught children about Careers in Water. The students dressed in attire for their profession and taught other members of their class about their Career in Water.

Student interns also helped maintain, improve and update the CWRRI World Wide Web Homepages;

monitored press reports and prepared newsletter summaries of water issues in Colorado; helped develop and arrange the Colorado Drought Conference and the annual South Platte Forum, and researched background material for unfolding water issues and developed in-depth articles for the CWRRI newsletter, Colorado Water, and/or publications.